tsi Connections

- HAZARDOUS MATERIALS
- PIPELINE SAFETY
- SPECIAL PROGRAMS
- COAST GUARD CONTAINER INSPECTION/ASSISTANCE
- HIGHWAY SAFETY
- TRANSIT SAFETY & SECURITY
- AVIATION SAFETY

For information concerning TSI Aviation System Standards (AVN) training courses, please contact **Pat Brown** at 405-954-3614, FAX 405-954-3431 or 2649. We will be pleased to assist you with your training needs OR: visit our WEBSITE AT: www.tsi.dot.gov/

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Transportation Safety Institute

PARTNERS IN TRAINING

TSI — Transportation Safety Institute — Aviation Safety

AVIATION SYSTEM STANDARDS — AVN — ENSURING FLIGHT SAFETY

DEPARTMENT OF TRANSPORTATION · UNITED STATES OF AMERICA

TSI MISSION:

To provide premier worldwide training, products, and services for people in the public and private sectors through innovative, state-of-the-art methods and techniques that contribute to the protection of life, property, and the environment.

AVIATION SAFETY DIVISION (DTI-20)

TSI's flight inspection and instrument procedure courses are sponsored by FAA's Aviation System Standards (AVN) and taught by highly trained TSI professional instructors. All course content is reviewed, and approved by AVN on a regular basis. Training includes classroom lectures, workshops, lab exercises, individual studies, and hands-on procedure development. The courses are designed to provide students with the necessary training to become basic procedures and flight inspection specialists.

Introduction to Flight Procedures

Course Number: 00050

Course provides an introduction to TERPS criteria and its application to terminal and en-route procedures development. Information is presented relative to procedure segments, obstacle clearance, airspace, descent gradients, and the related documentation. The course is presented through classroom instruction and practical laboratory exercises. It is especially valuable to Air Traffic organizations, state aviation departments, aviation industry, and anyone involved with flight information products. A general understanding of flight procedures is required for this course.

Internal Evaluation Program (IEP) Course
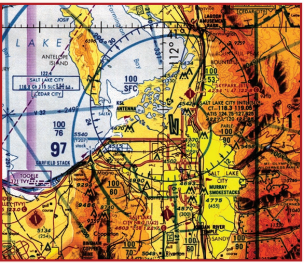
Course Number: 00071 IEP for Managers
Course Number: 00072 IEP for Evaluators

The IEP is an independent tool by which management can continually monitor how well they are complying with directive and regulatory standards, achieving program goals, and managing resources. Such evaluations serve as tools for making program improvements, where needed. Training will consist of classroom instruction on applicable criteria and laboratory exercises for program development and preparation of evaluation tools. "IEP for Managers" is an 8 hour classroom/workshop in which managers will learn how to design and implement an IEP in their organization. "IEP for Evaluators" consists of 24 hours of classroom and workshops. Course outlines the step-by-step IEP procedures to fully prepare participants to serve as IEP Evaluators.

Instrument En-Route and Approach Development (International)

Course Number: 0054

Course acquaints international participants with the development criteria for airways and instrument approaches as prescribed in FAA Handbook 8260.3 and 8260.19. It consists

of classroom presentation of the criteria by lab exercises where the student will learn the application of the criteria. This reinforces learning and retention. Airspace matters are studied from the floor of controlled airspace of airways to establishing classes of airspace, its relationship to procedure development, and transition areas for arriving and departing aircraft. Students must have the ability to read, speak, and understand the English language.

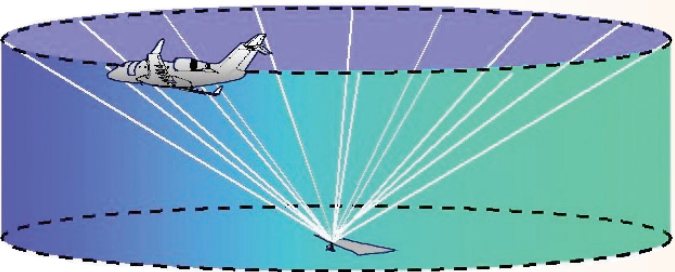## Airspace System Inspection Pilot/Technician (International)

Course Number: 00051

Course is designed for international airspace system inspection pilots, and airborne technicians. It includes basic procedures outlined in the U.S. Standard Flight Inspection Manual for the airborne checking of navigational aids. This is a non-flying course for international participants. Course fulfills the needs of international personnel whose duties include a requirement for basic knowledge of U.S. en-route and terminal flight inspection procedures.

Area Navigation (RNAV) Approach Construction (Automated)

Course Number: 00055

Course is designed for those specialists with an understanding of procedures development and a working knowledge of the automated (IAPA) system. This course will enhance the specialists' knowledge and understanding of criteria application as related to RNAV development using FAA Order 8260.48, "Area Navigation (RNAV) Approach Construction Criteria." Training will consist of classroom instruction on applicable criteria and laboratory exercises using the automated (IAPA) system for procedure development.

Instrument Approach Procedures Automation (IAPA)

Course Number: 00056

Course is for students familiar with the manual application of TERPS that have a need to apply criteria using the IAPA system. The training consists of 24 hours of classroom and 32 hours of laboratory instruction. Skills acquired will enable students to develop and store selected approach procedures, review existing procedures, and perform additional tasks on IAPA System equipment.

Introduction to Aeronautical Charts (NACO)

Course Number: 00080

Course is designed for Aviation System Standards, Airports, Air Traffic, and Airways Facilities personnel involved with the design, update, and modification of the National Airspace System (NAS). The major focus is limited to basic understanding and use of

the NAS, visual aeronautical chart systems, instrument en-route chart systems, and the terminal procedures publications. It fulfills a chart orientation training requirement providing comprehensive knowledge for individuals involved in both information products depicting the NAS and the compilation, use, and distribution of aeronautical charts.

Area Navigation (RNAV) Approach Construction (Manual)

Course Number: 00059

Course is designed for those specialists with an understanding of procedure development. It will enhance their knowledge and understanding of criteria application as related to RNAV development using FAA Order 8260.48, "Area Navigation (RNAV) Approach Construction Criteria." Training will consist of classroom instruction on applicable criteria and laboratory exercises using manual techniques for procedure development.